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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik-Bilgisayar Bilimleri (Dr), Türkiye 2012 - 2016

Yüksek Lisans, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik-Bilgisayar Bilimleri (YI) (Tezli), Türkiye 2010 - 2012

Lisans, Anadolu Üniversitesi, İktisat Fakültesi, İktisat Bölümü, Türkiye 2008 - 2012

Lisans, Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 2006 - 2010

Yaptığı Tezler

Doktora, Lineer olmayan denklemlerin integrallenebilirliği, Eskişehir Osmangazi Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik-Bilgisayar Bilimleri (Dr), 2016

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Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Doç. Dr., Eskişehir Osmangazi Üniversitesi, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, 2021 - Devam Ediyor

Dr. Öğr. Üyesi, Eskişehir Osmangazi Üniversitesi, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, 2016 - 2021

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Verdiği Dersler

Oyun Teori, Lisans, 2017 - 2018

Diferensiyel Denklemler II, Lisans, 2017 - 2018

Diferensiyel Denklemler, Lisans, 2017 - 2018, 2016 - 2017

Biyomatematik, Lisans, 2017 - 2018

Fark Denklemleri I, Lisans, 2017 - 2018

Kısmi Türevli Diferensiyel Denklemlerin Sayısal Uygulamaları II, Lisans, 2017 - 2018, 2016 - 2017

Volterra-Fredholm İntegral Denklemleri, Yüksek Lisans, 2017 - 2018
Kompleks Analiz, Lisans, 2017 - 2018
İntegrallenebilirlik Teorisi, Doktora, 2017 - 2018
Diferensiyel Denklemlerin Kompleksiton Çözümleri, Doktora, 2017 - 2018
Matematik II, Lisans, 2017 - 2018
Diferensiyel Denklemler I, Lisans, 2017 - 2018
Genelleştirilmiş Bilineer Türevler Teorisi, Yüksek Lisans, 2017 - 2018
Matematik, Lisans, 2017 - 2018
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Genel Matematik II, Lisans, 2017 - 2018, 2016 - 2017
Analiz II, Lisans, 2016 - 2017

Yönetilen Tezler

ÜNSAL Ö., Linear Olmayan Oluşum Denklemlerinin Dalga Çözümleri ve Analizleri, Yüksek Lisans, S.KARA(Öğrenci), 2020
ÜNSAL Ö., Linear olmayan kısmi diferensiyel denklemlerin kompleksiton çözümleri, Yüksek Lisans,
Z.SAKARTEPE(Öğrenci), 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **An useful procedure for finding exact solutions to new form of (2+1)-dimensional B-type Kadomtsev-Petviashvili (BKP) equation**
ÜNSAL Ö., Sakartepe Z.
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.135, sa.8, 2020 (SCI-Expanded)
- II. **Complexiton solutions for (3+1) dimensional KdV-type equation**
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- III. **Multiple-Wave Solutions to Generalized Bilinear Equations in Terms of Hyperbolic and Trigonometric Solutions**
ÜNSAL Ö., Ma W., Zhang Y.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, cilt.18, sa.5, ss.395-401, 2017 (SCI-Expanded)
- IV. **Conservation laws and double reduction of (2+1) dimensional Calogero-Bogoyavlenskii-Schiff equation**
SAN S., Akbulut A., ÜNSAL Ö., TAŞCAN F.
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- V. **Complexiton solutions for two nonlinear partial differential equations via modification of simplified Hirota method**
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- VI. **A novel kind of AKNS integrable couplings and their Hamiltonian structures**
Zhang Y., Ma W., ÜNSAL Ö.
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- VII. **Analytical approach for space-time fractional Klein-Gordon equation**
ÜNSAL Ö., GÜNER Ö., Bekir A.
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- VIII. **Exact solutions of nonlinear Schrodinger equation by using symbolic computation**
Kaplan M., ÜNSAL Ö., Bekir A.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.39, sa.8, ss.2093-2099, 2016 (SCI-Expanded)

- IX. **Linear superposition principle of hyperbolic and trigonometric function solutions to generalized bilinear equations**
 ÜNSAL Ö., Ma W.
 COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.71, sa.6, ss.1242-1247, 2016 (SCI-Expanded)
- X. **APPLICATIONS OF FRACTIONAL COMPLEX TRANSFORM AND (G'/G)-EXPANSION METHOD FOR TIME-FRACTIONAL DIFFERENTIAL EQUATIONS**
 Bekir A., GÜNER Ö., ÜNSAL Ö., Mirzazadeh M.
 JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, cilt.6, sa.1, ss.131-144, 2016 (SCI-Expanded)
- XI. **Two reliable methods for solving the time fractional Clannish Random Walker's Parabolic equation**
 GÜNER Ö., Bekir A., ÜNSAL Ö.
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- XII. **Soliton Solutions, Backlund Transformation and Lax Pair for Coupled Burgers System via Bell Polynomials**
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- XIII. **The First Integral Method for Exact Solutions of Nonlinear Fractional Differential Equations**
 Bekir A., Guner O., ÜNSAL Ö.
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- XIV. **Multiscale expansions in discrete world**
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- XV. **New exact solutions for boussinesq type equations by using (G0=G; 1=G) and (1=G0)-expansion methods**
 Demiray S., Unsal Ö., Bekir A.
 Acta Physica Polonica A, cilt.125, sa.5, ss.1093-1098, 2014 (SCI-Expanded)
- XVI. **Analytic treatment of nonlinear evolution equations using first integral method**
 Bekir A., ÜNSAL Ö.
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- XVII. **Periodic and solitary wave solutions of coupled nonlinear wave equations using the first integral method**
 Bekir A., ÜNSAL Ö.
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- I. **Analytical solutions to new forms of two nonlinear partial differential equations via two variable expansion method**
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- II. **Complexiton solutions for new form of (3+1)-dimensional BKP-Boussinesq equation**
 ÜNSAL Ö.
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- III. **Implementation of two variable expansion method for extended Jimbo–Miwa equations**
 Kara S., ÜNSAL Ö.
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- IV. **Application of Extended Transformed Rational Function Method to Some (31) Dimensional Nonlinear Evolution Equations**
 ÜNSAL Ö.
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- V. **NONLINEAR SELF ADJOINTNESS AND EXACT SOLUTION OF FOKAS-OLVER-ROSENAU-QIAO (FORQ) EQUATION**
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- VI. **Exact solutions of nonlinear wave equations using $(G'/G, 1/G)$ -expansion method**
DEMİRAY S., ÜNSAL Ö., BEKİR A.
Journal of the Egyptian Mathematical Society, cilt.23, sa.1, ss.78-84, 2015 (Hakemli Dergi)
- VII. **Exact solutions of the Zoomeron and Klein Gordon Zakharov equations**
BEKİR A., TAŞCAN GÜNEY F., ÜNSAL Ö.
Journal of the Association of Arab Universities for Basic and Applied Sciences, cilt.17, sa.1, ss.1-5, 2015 (Hakemli Dergi)
- VIII. **Exact Solutions for a Class of Nonlinear Wave Equations By Using First Integral Method**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **An Efficient Method for Finding Trigonometric, Hyperbolic and Mixed Type Exact Solutions to New Form of (21)-Dimensional BKP Equation**
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- II. **Complexiton and Interaction solutions for (21)-Dimensional Sawada-Kotera equation**
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- IV. **On the Complexiton Solutions of Generalized Bilinear Equations via Extended Transformed Rational Function Method**
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- V. **Modified Double Sub-Equation Method for Solving Nonlinear Evolution Equations**
ÜNSAL Ö., KOPARAN M.
7th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 20 - 24 Haziran 2018, ss.219
- VI. **Multiple Scales Method for Higher Order KdV Equation**
Çakır F., KOPARAN M., ÜNSAL Ö.
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- VII. **Construction of Exact Solutions to Partial Differential Equations with Trial Method**
TAŞCAN GÜNEY F., Pir L. B., ÜNSAL Ö.
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- VIII. **Extended Transformed Rational Function Method for Some (31)Dimensional Nonlinear Partial Differential Equations**

ÜNSAL Ö., BEKİR A., KOPARAN M.

6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Macaristan, 15 - 18 Ağustos 2017, ss.160-161

IX. Simplified Hirota Method for a Nonlinear Partial Differential Equation

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X. Soliton solution and other solutions to a nonlinear fractional differential equation

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XI. The (G'/G) -expansion method for the nonlinear time fractional differential equations

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11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), La Rochelle, Fransa, 4 - 08 Temmuz 2016, cilt.1798

XII. Singular 1-soliton solution of the nonlinear variable-coefficient diffusion reaction and mKdV equations

GÜNER Ö., Bekir A., ÜNSAL Ö., ÇEVİKEL A. C.

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XIII. Analytical approach for space time fractional Klein Gordon equation

ÜNSAL Ö., GÜNER Ö., BEKİR A.

International Conference on Quantum Science and Applications, Eskişehir, Türkiye, 25 - 27 Mayıs 2016, ss.161

XIV. Complexiton solutions for some nonlinear partial differential equations

ÜNSAL Ö., BEKİR A., TAŞCAN GÜNEY F., ÖZER M. N.

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XV. Exact solutions of some fractional differential equations by various expansion methods

Topsakal M., GÜNER Ö., Bekir A., ÜNSAL Ö.

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XVI. Application of Binary Bell Polynomial Approach to a 2 1 Dimensional Nonlinear Evolution Equation

ÜNSAL Ö., TAŞCAN GÜNEY F., ÖZER M. N.

IECMSA-2014, 3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Avusturya, 25 - 28 Ağustos 2014, ss.247-248

XVII. An efficient method for solving the nonlinear fractional Klein Gordon type equations

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XVIII. Çok Ölçekli Açılım Metodunun Diferensiyel Fark Denklemlerine Uygulamaları

ÜNSAL Ö., TAŞCAN GÜNEY F., ÖZER M. N.

13. Matematik Sempozyumu, Türkiye, 15 - 17 Mayıs 2014

XIX. Lineer Olmayan Schrödinger Denkleminin Hareketli Dalga Çözümleri

KAPLAN M., ÜNSAL Ö., BEKİR A.

8. Ankara Matematik Günleri, Ankara, Türkiye, 13 - 14 Haziran 2013, ss.50

XX. Travelling Wave Solutions of Nonlinear Equations Using the $(G'/G, 1/G)$ Expansion Method

DEMİRAY S., ÜNSAL Ö., BEKİR A.

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XXI. Lineer Olmayan Oluşum Denklemlerinin $(G'/G, 1/G)$ Metodu ile Hareketli Dalga Çözümleri

ÜNSAL Ö., DEMİRAY S., BEKİR A.

12. Matematik Sempozyumu, Ankara, Türkiye, 23 - 25 Mayıs 2013, ss.311-313

Metrikler

Yayın: 47

Atf (WoS): 272

Atf (Scopus): 317

H-İndeks (WoS): 9

H-İndeks (Scopus): 10